Index of Claims

| Application | /Control | No. |
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09/858,477

Examiner

Yelena G. Gakh, Ph.D.

Applicant(s)/Patent under Reexamination

SEKINE ET AL.

Art Unit

1743

| <b>√</b> | Rejected |
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| Cla      | aim      |          |                  |              | D                       | ate      |           |          |          |        | Cla                    | aim          |           |         |          | Date            |              |                   |           | ::[   | Cla     | aim        |          |          |          |              | Date     | <del></del> |   |   |   |
|----------|----------|----------|------------------|--------------|-------------------------|----------|-----------|----------|----------|--------|------------------------|--------------|-----------|---------|----------|-----------------|--------------|-------------------|-----------|-------|---------|------------|----------|----------|----------|--------------|----------|-------------|---|---|---|
|          | <u>—</u> | υ        |                  | T            | T                       |          | Т         |          |          |        |                        | <del>-</del> |           | Т       | П        |                 |              |                   | 7         |       |         | <b>a</b>   |          |          |          |              |          |             |   |   |   |
| Final    | Original | 10/20/05 | H                | - 1          |                         |          | -         |          |          |        | Final                  | Original     | 11        |         |          |                 |              |                   |           |       | Final   | Original   |          | ļ        |          |              |          |             |   | .   |   |
| 证        | Ĕ        | Ιŝ       |                  |              | ı                       |          | -         | -        |          |        | 诓                      | ٦            | 1 1       | - 1     | 1        | ΙI              | ı            |                   |           |       | ΙĒ      | 충          |          |          |          |              |          |             |   |   |   |
|          |          | <u> </u> | Ш                | _            | _ _                     |          | ᆚ         | $\perp$  |          | _      |                        |              | Ш         |         |          | Ш               |              |                   | _ :       |       |         |            |          |          |          |              |          |             |   |   |   |
|          | 1_       | 1        | $\sqcup$         | _            | $\perp$                 | _        | 4         | $\perp$  |          | _      |                        | 51           | Ш         |         |          | Ш               |              | $\perp \perp$     | _ ::      | :::   |         | 101        | _        | Щ        |          |              |          |             |   |   |   |
|          | 2        | Ш        | $\sqcup$         | $\dashv$     | _                       | $\perp$  | _         | _        | $\bot$   | _      |                        | 52           | $\sqcup$  | _       |          | $\sqcup$        |              | $\perp$           | _         |       |         | 102        |          | Ц        |          |              |          | Ш           |   | _   |   |
|          | 3        | Ц        | $\sqcup$         | 4            | 4                       | 4        | 4         | 4        | $\perp$  | 4      | <u> </u>               | 53           | $\vdash$  |         | 4        | $\sqcup$        |              | ++                | _         |       |         | 103        | _        |          |          | Ш            |          | Щ           | $\dashv$  | _   |   |
|          | 4        | Н        | $\vdash$         | $\perp$      | +                       | 4        |           | 4        | _        | -      |                        | 54           |           |         | —        | $\sqcup$        | $\bot$       | +                 | -         |       |         | 104        | _        | $\Box$   |          |              | _        | Щ           |   | _   |   |
|          | 5        | ${f H}$  |                  | $\dashv$     | +                       | +        |           | $\dashv$ |          | -      | <u> </u>               | 55           | $\perp$   | +       | +        | $\vdash$        |              | +                 | -         | 1     |         | 105        | _        | $\dashv$ | _        |              | _        | Ш           | $\dashv$  | $\dashv$  |   |
| <u> </u> | 6<br>7   | ₩        | <del>  -  </del> |              | $\dashv$                | +        | +         | +        |          | -      |                        | 56<br>57     | $\vdash$  | +       | +-       | $\vdash$        |              | +                 |           |       | -       | 106        | -        |          |          | -            |          | Н           |   | $\dashv$  |   |
|          | 8        | ╫        | ╂╼┼              | ┰            | $\dashv$                | +        | ╅         | -        |          | -      |                        | 58           | $\vdash$  | +       | +        | $\vdash$        | - -          | ++                | $\dashv$  | ŀ     |         | 107<br>108 | -        | -        | -        |              |          | _           | -   | $\dashv$  |   |
| $\vdash$ | 9        | H        | ╂─┼              | ┰            | $\dashv$                | +        | +         | $\dashv$ |          | -      |                        | 59           | $\vdash$  | +       | +        | ╂╾┼             | $\dashv$     | ╁                 | -         | ⊪     | _       | 109        | $\dashv$ | -        | $\dashv$ |              |          |             |   | $\dashv$  |   |
|          | 10       | ╁        | <del>  - </del>  | -+           | ┰                       | +        | ╅         | $\dashv$ | ┪        | -      | -                      | 60           | $\dashv$  | +       | +-       | <del>   </del>  | +            | +                 | - :       | ⊪     |         | 110        | $\dashv$ | $\vdash$ | $\dashv$ | Н            |          | $\vdash$    | -   | $\dashv$  |   |
| <u> </u> | 11       | H        | +                | +            | +                       | +        | ╅         | +        |          | 4      |                        | 61           | $\vdash$  | +       | +-       | <del>   </del>  | +            | +-+               | $\dashv$  | ŀ     |         | 111        | -        |          |          |              |          | Н           | $\dashv$  | $\dashv$  | _ |
|          | 12       | i        | 1 1              | +            | $\dashv$                | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | 1      | <u> </u>               | 62           | $\vdash$  | +       | +-       |                 | $\dashv$     | +-+               | $\dashv$  | ⊪     |         | 112        | -        |          |          | $\vdash$     |          | Н           | $\dashv$  | $\dashv$  | _ |
|          | 13       | Ļ        | $\vdash$         | +            | 十                       | $\dashv$ | +         | +        | +        |        |                        | 63           | $\forall$ | +       | +        | $\vdash$        | +            | ++                | -         |       |         | 113        | -        |          | $\dashv$ |              |          | Н           | -+  | $\dashv$  |   |
|          | 14       | 1        | $\vdash$         | +            | $\top$                  | $\dashv$ | $\dagger$ | $\top$   | $\top$   | 1      | <b></b>                | 64           | $\vdash$  | _       | +        | $\vdash$        | +            | +-+               | -         | H     |         | 114        | $\dashv$ | _        | -        | Н            | Н        | Н           | -   | $\dashv$  |   |
|          | 15       | Т        | H                | T            | T                       | -        | +         | 十        | _ _      | 7::::  |                        | 65           |           |         | 1        |                 | $\top$       | 1-1               | ١         | ı     |         | 115        | $\neg$   | 寸        |          |              |          |             | $\dashv$  | -+  |   |
|          | 16       | ı        | $\Box$           | $\top$       | $\top$                  | $\neg$   | $\top$    | $\neg$   | $\neg$   | 1      |                        | 66           |           | 十       |          | $\Box$          | _            | 1 1               | 1         |       |         | 116        |          | $\dashv$ | $\dashv$ |              | $\neg$   |             |   | 十   |   |
|          | 17       | 1        |                  | $\neg$       | 丁                       | $\neg$   | $\top$    | 寸        |          | 7      |                        | 67           |           | T       |          |                 |              | 11                |           |       |         | 117        | $\neg$   | 寸        | $\neg$   |              |          |             |   | $\exists$   | _ |
|          | 18       |          |                  | $\neg$       | T                       |          | T         | $\neg$   |          | 7::::  |                        | 68           |           |         | 1        | П               | 丁            |                   | 7         |       |         | 118        |          |          |          |              |          |             | 寸   | ヿ   |   |
|          | 19       |          |                  |              |                         |          | $\neg$    | T        |          |        |                        | 69           |           | $\top$  |          |                 |              |                   |           |       | T       | 119        |          | $\neg$   |          |              |          |             |   | $\dashv$  |   |
|          | 20       | L        |                  |              |                         |          | $\perp$   |          |          |        |                        | 70           |           |         |          |                 |              |                   |           |       |         | 120        |          |          |          |              |          |             |   | $\Box$  |   |
|          | 21       |          |                  |              |                         |          | $\perp$   |          |          |        |                        | 71           |           |         |          |                 |              |                   |           |       |         | 121        |          |          |          |              |          |             |   | $\Box$  |   |
|          | 22       |          | Ш                | $\perp$      | ┙                       | $\perp$  | $\perp$   | $\perp$  |          | _      |                        | 72           |           |         |          |                 |              |                   |           |       |         | 122        |          |          |          |              |          |             |   | $\Box$  |   |
|          | 23_      | L        | Ш                | $\perp$      | $\perp$                 | $\perp$  | $\perp$   | _        |          | _      |                        | 73           |           |         |          |                 | $\perp$      | $\perp \perp$     |           |       |         | 123        |          |          |          |              |          |             |   | $\Box$  |   |
|          | 24       | _        | $\sqcup$         | 4            | $\downarrow$            | 4        | 4         | 4        |          | _      |                        | 74           | $\perp$   | $\perp$ | 丄        |                 |              | $\bot \bot$       | _         |       |         | 124        | _        | _        |          | _            |          | $\Box$      |   | $\dashv$  |   |
|          | 25       |          |                  | 4            | -                       |          | 4         | _        |          | 4      |                        | 75           |           |         | ┦        |                 | $\perp$      | 1                 | 4         |       |         | 125        |          | 4        |          |              | $\Box$   |             |   | 4   |   |
|          | 26       | ļ.,      |                  | _            | 4                       | _        | +         | _        | _        | -      |                        | 76           | _ -       |         |          | $\sqcup$        |              | $\bot$            | 4         |       |         | 126        |          | _        |          | .            | _        | _           | _   | $\dashv$  |   |
|          | 27       | _        | $\vdash$         | -            | 4                       | +        | +         | +        |          | -      |                        | 77           | -         | +       | +        | $\vdash \vdash$ | _            | ╁                 | 4         |       |         | 127        | _        | _        | _        | _            | _        | _           | $\dashv$  | $\dashv$  |   |
|          | 28       |          | $\vdash$         | _            | +                       | -        | +         | +        |          | -      |                        | 78           | $\perp$   | +       | +-       | $\vdash$        |              | +                 | 4         | :: -  |         | 128        |          |          | _        | _            | _        |             | _   | $\dashv$  |   |
|          | 29       | _        | $\vdash$         | $\dashv$     | +                       | +        | +         | +        | -        | -      |                        | 79           | +         |         | +        | $\vdash$        |              | +                 | -         | -     |         | 129        | -        | _        | 4        | -            |          | $\dashv$    | -   | -   |   |
|          | 30<br>31 | _        | $\vdash$         | +            | +                       | +        | +         | +        |          | -      |                        | 80<br>81     | $\dashv$  |         | ╁        | $\vdash$        | +            | +                 | -         | -     | -       | 130        | -        | -        | $\dashv$ |              |          | -           | -+  | -+  | _ |
|          | 32       | _        | $\vdash$         | +            | +                       | ┰        | ┿         | +        | +        | -      |                        | 82           |           |         | ╂        | $\vdash$        | -            | +                 | - :       | ŀ     |         | 131        | $\dashv$ |          |          |              | $\dashv$ |             |   | $\dashv$  |   |
|          | 33       | _        | $\vdash$         | +            | +                       | +        | +         | +        | +        | -      |                        | 83           | +         | ╅       | +        | $\vdash$        | +            | ++                | $\dashv$  | ŀ     |         | 132<br>133 | $\dashv$ | -        |          |              | $\dashv$ |             | -+  | +   | _ |
|          | 34       |          |                  | +            | ╁                       | +        | +         | +        | +        | 1      |                        | 84           | $\dashv$  | +       | +        | $\vdash$        | +-           | 1-1               | $\dashv$  | ╟     |         | 134        |          | -+       | $\dashv$ | $\dashv$     |          | $\dashv$    | -+  | +   | _ |
|          | 35       | -        | $\vdash$         | +            | $\dashv$                | $\dashv$ | +         | +        | $\vdash$ |        | $\vdash \vdash \vdash$ | 85           | $\dashv$  | ╅       | +        | $\vdash$        | +-           | 1-+               | $\dashv$  | ŀ     | 1       | 135        |          | -+       | $\dashv$ | $\dashv$     | -        |             | -+  | $\dashv$  | _ |
| $\neg$   | 36       |          | $\vdash \vdash$  | +            | +                       | +        | +         | +        | +        | 1      |                        | 86           | $\dashv$  | +       | +        | $\vdash$        | - -          | +                 | -         | ii: - | <u></u> | 136        | $\dashv$ | -        | $\dashv$ | <del> </del> | $\dashv$ |             | $\dashv$  | $\dashv$  |   |
|          | 37       |          | $\vdash$         | +            | $\top$                  | +        | +         | $\top$   | $\top$   |        |                        | 87           | $\dashv$  | +       | T        | $\vdash$        | +-           | +                 | -         | ı     |         | 137        | -        | -+       | $\dashv$ | $\dashv$     | $\dashv$ | 一           | $\dashv$  | $\dashv$  |   |
|          | 38       |          | $\sqcap$         | $\top$       | $\top$                  | _        | $\dagger$ | +        | 1        | 1      |                        | 88           | +         | +       |          | $\vdash$        | $\top$       | $\dagger \dagger$ | -         | ı     |         | 138        | $\dashv$ | -+       |          | $\dashv$     | $\dashv$ | $\dashv$    | $\dashv$  | $\dashv$  |   |
|          | 39       | 1        | $\sqcap$         |              | 7                       | $\top$   | Ť         | $\top$   |          | 7      |                        | 89           | $\neg$    | $\top$  |          | $\Box$          |              | $\sqcap$          | $\exists$ | ı     |         | 139        | $\dashv$ | _        |          | $\dashv$     | $\dashv$ | $\neg$      | _   | $\dashv$  |   |
|          | 40       |          |                  | 1            |                         | $\top$   | T         | 一        | İ        | 7      |                        | 90           | $\neg$    | ┱       | $\top$   |                 |              | $\top$            | 7         | ı     |         | 140        | 1        | 寸        |          | $\neg$       | $\neg$   |             | $\neg$  | 十   |   |
|          | 41       |          |                  |              | $oldsymbol{\mathbb{I}}$ |          | I         |          |          | ][     |                        | 91           |           |         |          |                 |              |                   |           | ľ     |         | 141        |          |          |          |              |          |             |   |   |   |
|          | 42       |          |                  | $oxed{oxed}$ | $oldsymbol{\mathbb{I}}$ |          | I         |          |          |        |                        | 92           |           | $\perp$ |          |                 | $\mathbf{T}$ |                   |           | ٦     |         | 142        | $\Box$   |          |          |              |          |             |   |   |   |
|          | 43       |          |                  | $\perp$      |                         | $\perp$  | I         |          |          | ][     |                        | 93           |           |         |          |                 |              |                   |           |       |         | 143        |          |          |          |              |          |             |   | J   |   |
| ]        | 44       |          |                  | $\perp$      |                         | $\perp$  |           |          |          |        |                        | 94           | $\Box$    |         |          |                 |              |                   |           | [     |         | 144        |          | ┚        |          |              |          |             |   | $\Box$  |   |
|          | 45       |          |                  | $\perp$      |                         | L        |           |          |          |        |                        | 95           |           |         |          |                 |              |                   |           |       |         | 145        |          | J        |          |              |          |             |   | $\Box$  |   |
|          | 46       |          | ot               | $\perp$      | $\bot$                  | $\bot$   | $\perp$   | $\perp$  |          | ]      |                        | 96           |           |         |          |                 |              |                   |           |       |         | 146        | $\Box$   |          |          |              | $\Box$   |             | $\Box$  |   |   |
|          | 47       |          | $\sqcup$         | $\perp$      |                         | $\perp$  | $\perp$   | _        | $\perp$  | ]      | ]                      | 97           |           | L.      |          |                 | ┸            | $\Box$            |           |       |         | 147        | $\Box$   |          |          |              |          |             | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{ol}}}}}}}}}}}}}} $ |   |
|          | 48       |          |                  | $\perp$      |                         | $\perp$  |           | _        | $\perp$  |        |                        | 98           |           | $\perp$ |          |                 | $\bot$       | $oxed{\Box}$      | _ ::      |       |         | 148        |          | $\Box$   |          |              |          |             |   | $\perp$   |   |
|          | 49       |          | $\perp$          | $\perp$      | 1.                      | $\bot$   | 1         | $\bot$   | $\perp$  | ]      |                        | 99           | $\perp$   | _       | $\sqcup$ |                 |              | $\sqcup$          | _ ::      | L     |         | 149        | $\perp$  | _[       | $\Box$   |              |          |             | $\perp$   | $\perp$   |   |
|          | 50       |          |                  |              | $\perp$                 |          | $\perp$   | 丄        |          | ااااال |                        | 100          |           |         | LI       |                 |              |                   | ]:::      |       | - 1     | 150        | ſ        |          | ſ        | ſ            |          |             |   | - 1   | 1 |